"FIRE-IMMUNITY": PSYCHOPHYSIOLOGICAL PHENOMENON PSI ABILITY OR

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Anthropologists and ethnographers in the course of their field research have often observed the phenomena of truals. During these rituals, individuals could walk through hot infernos without any harm to themselves. In the chemical of parapsychology, there is extensive literature on these phenomena which describes members of particular the control where the control walk there is extensive literature on the phenomena which describes members of particular the control walk there is extensive literature on the control walk there is extensive literature on the control walk there is extensive literature on the control walk there is extensive literature of the control walk the control wa

attempt, only 9 of them suffered minor burns. Thomson [3,4] described a ceremony called "Vilavilareivo," in which members of the clan "llankata" on Mbenga island of the Fiji Garchipelago were able to walk over burning coals due to their "power to influence fire."

According to Thomson, the Fiji firewallare characters. Gome cults who can walk unharmed over fire.

Gaddis [1] reported numerous cases of this type. A Rook by Kenn [2] described a study conducted by the Surning coals more than 4.5 meters long. After this

Clan member was walking, and touched it with a handkerchief.

WThe kerchief instantly flamed and burned. However, after

Othe ceremony the feet of the participants were perfectly

renormal. They also claimed that they could transfer their

p"fire-immunity" to others. oditch 19 feet long. At the beginning of the ceremony, alarge, burning—hot wooden stumps and large round hot stones where placed in the ditch, becaming a white—hot mass which bemitted extremely intense heat. During the next part of the Owalk over it. A researcher came up to a stone, on which a ceremony the participants levelled the surface and began to

this article for publication is greatly appreciated. - Ed. The assitance of Duska Avrese (Verona, Italy) in preparing

> more detailed information about firewalkers there. together with some of his European friends. Only one of Cook archipelago and joined a firewalking ceremony himself, [6] observed similar phenomena at Baratonga island of the participated. firewalking in Polynesia, in which some Europeans them had a burn on his skin. Henry [7] also describes be conveyed to others. immunity in Natal and also emphasized that the ability can level the stones became black from the heat. Fulton [10] high that the wooden sticks, which the participants used to firewalking ceremony the temperature of the stones was so immunity by specific physical properties of the stones used Fiji and attempted observed firewalking during a "Vilavilareivo" ceremony on to prepare the place for firewalking. In Fulton's opinion, heat emission. these stones possessed large thermal heat capacity but small Ocken [5] observed the same phenomenon on Fiji and gave Sayce [8] observed some episodes of fireto explain the phenomenon of fire-Roth [9] noted that during

the problem of fire-immunity, which were successfully walk over hot coals with the temperature of replicated later. Kuda Bux, a Hindu studied by Price, could Price [11] and Brown [12] conducted five experiments on

origin of which is lost in legends. Fahrenheit. as part of their typical religious ceremony [14-20]. have studied firewalking performed by members of this sect firewalking in Anastenarides, a Greek religious sect, the In Italy, Cassoli [13] studied the problem of Numerous researchers

of the villagers were present, they decided that these heard strange sounds, as if people were crying. Since all observed the flames gradually destroying the church, they Constantine church. While inhabitants of the village Tracia. Once, a fire suddenly broke out in a small San 1257, describe events in the village of Kosti in northern sounds were created by icons in the church. that the icons left in the flaming church had asked for took out eight icons, and left the church without any burns Reports on fire-immunity in Greece, dated as early as Several villagers threw themselves into the flames. They concluded

These icons became the property of those who saved the ability of fire-immunity, which was inherited from legend states that from this time on, these individuals them.

Ane generation to another.

Cassoli [13] has observed several episodes of fireCassoli [13] has observed hy the coals. Which was inherited from the surface covered by the coals. He was followed by a Aire-immunity to the individuals who had observed the Seremony. The burning coals as they touched the external surface of the feet. She walked slowly, making six steps to cross the circle." Cassoli noted that it was possible to transfer this the feet that it was possible to transfer this the feet that it was possible to transfer the feet that t The surface covered by the coals. He was followed by a Coman who stepped on the fire and her feet even plunged into

There is extensive literature on studies of these Thenomena conducted by ethnographers and parapsychologists \$21-27]. Firewalking was observed in religious ceremonies On Asia, Africa, Oceania, America, Indonesia, and Eastern Gurope. Since during these ceremonies their participants Acquired fire-immunity, some researchers found a certain There is extensive literature on studies of these

Aimilarity between firewalking and phenomena observed in the mistory of parapsychology, especially in the research of physical mediumship phenomena.

Everyone who has studied parapsychology is familiar with the capacities of Daniel Douglas Home, a famous medium of the last century, who demonstrated fire-handling: the There were some reports that he also was able to transfer Adocumented cases of this type [31]. This ability to mediumistic seance participants [28-30]. Torab, the biographer of the medium, described numerous

evidence of the phenomena and the data of field research, Despite numerous ethnographic and parapsychological

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parapsychologists paid little attention to the study of mental data. fire-immunity. However, there exist some limited experi-

are detrimental for the human organism. than 60° Centigrade; higher temperatures usually cause formulated as follows: certain individuals possess immunity hypotheses to explain this phenomenon: walkers no burns were observed. burns on the skin surface. that tissues of mammals cannot stand temperatures higher to the influence of such high temperatures which normally The most important aspect of this phenomenon can be However, in the case of fire-There It is well known exist three

1. Firewalkers and mediums perform tricks unmoticed to

2. The phenomenon is of "paranormal" causes

psychophysiology. 3. Fire-immunity can be explained from the viewpoint

of esoteric, magical and religious sects), but ordinary there were not only "professionals" (e.g., shamans, members possibility that some individuals might do tricks, but this individuals who participated in the ceremonies. Among individuals who successfully performed firewalking believes that the possibility of tricks can be ruled out. is not true for the majority of observations. Let us analyze all the three assumptions. There is a The author

itself. by a number of researchers. According to this assumption, research data to support such an assumption. influence of a psychokinetic type directed individuals in the process of firewalking produce an A "paranormal" explanation of firewalking is supported We believe, however, that presently there are no to the fire

early childhood and have calluses on the soles of their feet emphasized by Frazer [32] that individuals who participate from burn, at least temporarily. There is also the fact which gradually evaporates and protects the skin surface Everyone possess a certain degree of moisture of the skin Numerous facts demonstrate that this assumption is reliable: psychophysiological factors is most frequently expressed which protect them during firewalking. in these ceremonies have usually walked barefoot from their The possibility that fire-immunity is caused by natural Since these

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and make only a few steps is not sufficient to explain the lack of burns, given the extremely high temperatures who participated in similar ceremonies without harm to certainly quite limited. There were a number of Europeans involved. themselves. not get burned. individuals make only few quick steps on the fire, Furthermore, This interpretation of the phenomenon is the fact that they walk quickly they

"transmit" his ability to other participants. seances, in which the medium, who was in trance, could like altered state. This assumption would explain why the phenomenon of fire-immunity also occurred during mediumistic fire-immunity that is transferred, but rather the tranceto another. Therefore, perhaps, it is not the ability of consciousness which can be transferred from one individual firewalking ceremonies are in trance-like altered states of A more plausible assumption is that participants

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consciousness. intensive thermal modification in the response of the human organism that the phenomenon of fire-immunity is related to a hypnotic trance (e.g. [13]). These observations suggest studies also demonstrated a decrease of pain sensitivity in Cassoli [13] emphasized the state of mystical exaltation in the participants of ritual fire dances on hot coals. Some In his observations of firewalking in Anastenarides, stimuli in altered states of

of psi influence as the basis for fire-immunity. empirical data which would confirm the existence of a phenomenon of fire-immunity. At the same time, there are no evidence for proper evaluation of the nature of At present we do not possess sufficient experimental

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THE SOVIET PRESS REPORTS ON FIREWALKING

Nauka 1 The following two reports are excerpts appea clusive or profe give us insight Youth), Slavchev in Soviet bloc countril 1969; and No. in two unrelated Soviet magazings article, "Fire Dancing" by the Bul ekhnika molodezhi (Technology for 1971. Without presenting conind evidence, both (Science and Religion, No. 8, Dancing" by the Bulgarian S. 0 "Way Beyond the Hori about this phenomenon. the point of view Mese articles held in

Way Beyond Hori:

Igor Guberm

several countries of the wor the Polynesian Islands of the Sout firewalking ritual as re#ounted by an African nations. The phenomenon of firewal Below I present a co has been encountered dia, Pacific and several orful account of the eyewitness on the Indonesia, Japan,

island of Bali: This meant that a prie for the ritual stood began to go int both girls unbelievable, perform a ingledible dance with these fans. priest gave the toward the girls in burners. movements eyes closed. their s "In a small open And the girls began to dance around the fire with their the pries range state. resumed their dance. One of the attendants lit the Were completely in rhythm and harmony with Two your girls were already dress The girls rested a little without coming out of scene and we became somewhat frightened, had their eyes closed. We were literally numb with fear, afraid that fans and they, now in deep trance, 6 a deeper and deeper trance st Who began to breathe them inmoved the intoxicating fume n a small table, St was present. Then they were given the fans again, rea stood an open Ever Nonetheless hite umbrella ning necessary larly incense of incense They both festive pegan to was an since heir act